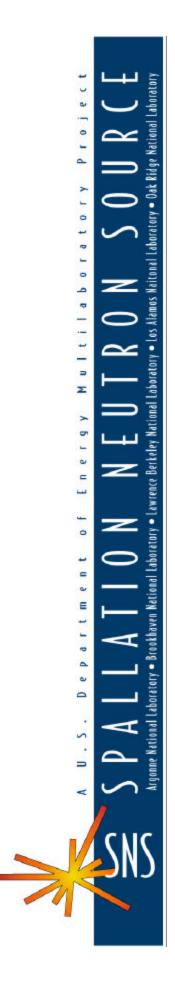
Spallation Neutron Source

FELK Air & Waste Systems
Functional System Design (FSD)

June, 2002



## FELK Building Air and Waste Controls Description TD80009 Rev 0

# **Operating Philosophy**

### Purpose:

The purpose of the air and waste systems operation is to:

- a) Provide an operator indication of the air pressure on the 2 inch compressed air header in the Klystron building
- b) Provide high level operator alarms (driven by level switches) for the sump in the Linac tunnel and the six sumps in the Klystron building.

<u>Assumptions:</u> There are two pumps and one level switch in each sump. Control of these pumps is provided by local control equipment that is provided by the General Contractor and has no interface with CF Controls level switches in the sumps.

# Operator Controls and Operating Modes

None

#### **OPERATOR INTERFACE DEFINITIONS**

## Local Hardware/Manual Operator Controls

None

# Software HMI/EPICS Digital Operator Controls

None

### Software HMI/EPICS Digital Displays

1) Level Switch Status for each sump (*LSH* 8201, *LSH* 8300, *LSH* 8301, *LSH* 8302, *LSH* 8303, *LSH* 8304, *LSH* 8305)

### Software HMI/EPICS Analog Operator Controls

None

# Software HMI/EPICS Analog Displays

1) Compressed air header pressure (*PT6300*)

### Alarms

- 1) Klystron air header pressure high and low
- 2) Sump level high

# **Control Logic Description**

None

# Screens

